

COMMUNICATIONS - NETWORK TECHNICIAN

NATURE OF WORK:

This position provides technical support for both the land mobile radio system and the computer technology system at the Flathead 9-1-1 Dispatch and Emergency Operations Center. The job functions for this position are shared between the requirements of the Radio Administrator and the 9-1-1 Technology Program Manager to provide twenty four (24) hours a day, seven (7) day a week operations at the Center. This position maintains two-way radio and communications equipment, as well as computer systems necessary for emergency services including; Computer Aided Dispatch (CAD), Emergency Medical Dispatch (EMD), Records Management System, radio software and 9-1-1 telephony. A professional atmosphere must be maintained at all times. The Position will report to the Radio Administrator and 9-1-1 Technology Program Manager.

REPRESENTATIVE EXAMPLES OF WORK: (Only major tasks are identified)

1. Install, configure, operate, test and maintain land radio equipment in support of public safety operations in Flathead County, including encoders/decoders, multiplexing devices, routers, switches and other associated hardware utilizing diagnostic equipment and computer programming applications.
2. Apply technical knowledge of electronics, telecommunications, and networking principles to solve problems utilizing diagrams, schematics, engineering data and test equipment including but not limited to Network Analyzers, Spectrum Analyzers, Noise Figure Meters, Signal Generators, Power Meters, Oscilloscopes, DMMs and other assigned equipment.
3. Perform installation, splicing and repair, block punch down and network cabling.
4. Installs hardware and peripheral components such as monitors, keyboards, printers, disk drives, servers, power supplies and Mobile data terminals. Participates in the after hours on-call rotation schedule for technology and radio systems.

5. Loads software packages for Law Enforcement, Fire, EMS and EOC applications, such as CAD, Records Management (RMS), CJIN, voice logging application, imaging, radio software, MDT, and 9-1-1 telephony.
6. Assists in periodic maintenance duties including backup power generation system, uninterruptible power supplies, and air conditioning and HVAC systems. Other duties may be assigned.

JOB SUMMARY - ESSENTIAL FUNCTIONS/DUTIES:

- Experience with installations of land mobile radios, portable radios and mobile computer systems. Experience in P25 radio systems is preferred.
- Experience with wireless equipment i.e.: Base Transmitters, antenna systems, microwave networks.
- Experience with equipment repair or system troubleshooting using a service manual and test equipment.
- Good communication skills, ability to interact with public safety agency personnel and staff, even in difficult situations.
- Working knowledge of computers, operating systems and network configuration.
- Knowledge and Understanding of TCP/IP, WAN/LAN technologies for networking, routers and switches.
- Good understanding with the ability to work on and repair backup power systems to include chargers, batteries and all associated equipment.
- Good understanding of Internet Protocol, switched and routed networks.
- Must be able to demonstrate computer skills to include MS Word and Excel in order to prepare reports and other required documents as requested.
- Must have the physical ability to work on tower based antenna equipment.
- Read and comprehend schematic drawings
- Candidate will absolutely work within established safety and quality standards and work with minimum supervision.
- Travel in company vehicles and snowmobile to remote sites to maintain communications infrastructure, must be able to lift 75 pounds. Travel may be required to other radio locations in the State.

GENERAL RECRUITMENT INDICATORS: (Persons applying for a position in this class should have the following experience and/or training.)

Graduate from an accredited two-year technical school with courses in Basic Electronics, networking, and telecommunications or equivalent military training.

Other experience which indicates possession of the knowledge, skills and abilities listed will be considered. This position must have demonstrated communication skills in technical writing and in personnel interaction.

The ability to obtain a current State of Montana vehicle operator's license from the Department of Justice Motor Vehicle Division is required. This position is contingent upon personal background check, to include fingerprinting, in compliance with the requirement terms of CJIN. A criminal history which is free of any felony conviction is required.

Action

Date

Reference